OTPE





#2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/955,866

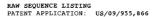
DATE: 10/09/2001 TIME: 09:30:19

Input Set : A:\00759Aseq.txt

Output Set: N:\CRF3\10092001\1955866.raw

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3 <110> APPLICANT: Fox, Michael
              Sullivan, John K.
              Holst, Paige
      SILINGIA, STEVEN KIYOSHI 8 <120> TITLE OF INVENTION: B7-Like Polypeptides and Uses ENOTERED 0.0 <130> FILE REFERENCE 0.0 250...
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C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/955,866
C--> 13 <141> CURRENT FILING DATE: 2001-09-19
     15 <150> PRIOR APPLICATION NUMBER: 60/233,867
     16 <151> PRIOR FILING DATE: 2000-09-20
     18 <160> NUMBER OF SEO ID NOS: 30
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                                             Met Ile Phe Leu Leu Met
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    45 ttg agc ctg gaa ttg cag ctt cac cag ata gca gct tta ttc aca gtg
                                                                            101
    46 Leu Ser Leu Glu Leu Gln Leu His Gln Ile Ala Ala Leu Phe Thr Val
    47
                 10
                                      15
    49 aca gtc cct aag gaa ctg tac ata ata gag cat ggc agc aat gtg acc
                                                                            149
    50 Thr Val Pro Lys Glu Leu Tyr Ile Ile Glu His Gly Ser Asn Val Thr
                                 30
    53 ctg gaa tgc aac ttt gac act gga agt cat gtg aac ctt gga qca ata
                                                                            197
    54 Leu Glu Cys Asn Phe Asp Thr Gly Ser His Val Asn Leu Gly Ala Ile
    55 40
                             45
                                                  50
    57 aca gcc agt ttg caa aag gtg gaa aat gat aca tcc cca cac cgt gaa
                                                                            245
    58 Thr Ala Ser Leu Gln Lys Val Glu Asn Asp Thr Ser Pro His Arg Glu
                                              65
    61 aga gcc act ttg ctg gag gag cag ctg ccc cta ggg aag gcc tcg ttc
    62 Arg Ala Thr Leu Leu Glu Glu Gln Leu Pro Leu Gly Lys Ala Ser Phe
    63
                    75
                                          80
    65 cac ata cet caa gtc caa gtg agg gac gaa gga cag tac caa tgc ata
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66 His Ile Pro Gln Val Gln Val Arg Asp Glu Gly Gln Tyr Gln Cys Ile



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69 atc atc tat ggg gtc gcc tgg gac tac aag tac ctg act ctg aaa gtc 389									
70 Ile Ile Tyr Gly Val Ala Trp Asp Tyr Lys Tyr Leu Thr Leu Lys Val									
71 105 110 110 115									
73 aaa get tee tae agg aaa ata aac act cae ate eta aag gtt eea gaa 437									
74 Lys Ala Ser Tyr Arg Lys Ile Asn Thr His Ile Leu Lys Val Pro Glu									
75 120 125 130 135									
77 aca gat gag gta gag ctc acc tgc cag gct aca ggt tat cct ctg gca 485									
78 Thr Asp Glu Val Glu Leu Thr Cys Gln Ala Thr Gly Tyr Pro Leu Ala									
79 140 145 150									
81 qua qta tec tqq eca aac qtc aqc qtt cet qec aac acc aqc cac tec 533									
82 Glu Val Ser Trp Pro Asn Val Ser Val Pro Ala Asn Thr Ser His Ser									
83 155 160 165									
85 agg acc cct gaa ggc ctc tac cag gtc acc agt gtt ctg cgc cta aag 581 86 Arg Thr Pro Glu Gly Leu Tyr Gln Val Thr Ser Val Leu Arg Leu Lys									
87 170 175 180									
90 Pro Pro Pro Gly Arg Asn Phe Ser Cys Val Phe Trp Asn Thr His Val 91 185 190 195									
93 agg gaa ctt act ttg gcc agc att gac ctt caa agt cag atg gaa ccc 677 94 Arg Glu Leu Thr Leu Ala Ser Ile Asp Leu Gln Ser Gln Met Glu Pro									
95 200 205 210 215									
97 agg acc cat cca act tgg ctg ctt cac att ttc atc ccc tcc tgc atc 725 98 Arg Thr His Pro Thr Trp Leu Leu His Ile Phe Ile Pro Ser Cys Ile									
99 220 225 230									
101 att qct ttc att ttc ata gcc aca gtg ata gcc cta aga aaa caa ctc 773									
102 Ile Ala Phe Ile Phe Ile Ala Thr Val Ile Ala Leu Arg Lys Gln Leu									
103 235 240 245									
105 tgt caa aag ctg tat tct tca aaa gac aca aca aaa aga cct gtc acc 821									
106 Cys Gln Lys Leu Tyr Ser Ser Lys Asp Thr Thr Lys Arg Pro Val Thr									
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109 aca aca aag agg gaa gtg aac agt gct atc tga acctgtggtc ttgggagcca 874									
110 Thr Thr Lys Arg Glu Val Asn Ser Ala Ile									
111 265 270									
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132 Met Ile Phe Leu Leu Met Leu Ser Leu Glu Leu Gln Leu His Gln 133 $^{\circ}$ 1 $^{\circ}$ 5 $^{\circ}$ 10 $^{\circ}$ 15									
132 Met Ile Phe Leu Leu Met Leu Ser Leu Glu Leu Gln Leu His Gln									



## RAW SEQUENCE LISTING PATENT APPLICATION: US/09/955,866

DATE: 10/09/2001 TIME: 09:30:19

Input Set : A:\00759Aseg.txt Output Set: N:\CRF3\10092001\I955866.raw

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## RAW SEQUENCE LISTING PATENT APPLICATION: US/09/955,866

DATE: 10/09/2001 TIME: 09:30:19

Input Set : A:\00759Aseq.txt
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211 Tyr Gln Cys Ile Ile Ile Tyr Gly Val Ala Trp Asp Tyr Lys Tyr Leu 212 95 214 Thr Leu Lys Val Lys Ala Ser Tyr Arg Lys Ile Asn Thr His Ile Leu 215 100 105 110 217 Lys Val Pro Glu Thr Asp Glu Val Glu Leu Thr Cys Gln Ala Thr Gly 218 115 120 125 220 Tyr Pro Leu Ala Glu Val Ser Trp Pro Asn Val Ser Val Pro Ala Asn 221 130 135 140 223 Thr Ser His Ser Arg Thr Pro Glu Gly Leu Tyr Gln Val Thr Ser Val 224 145 150 155 226 Leu Arg Leu Lys Pro Pro Pro Gly Arg Asn Phe Ser Cys Val Phe Trp 170 165 229 Asn Thr His Val Arg Glu Leu Thr Leu Ala Ser Ile Asp Leu Gln Ser 180 185 232 Gln Met Glu Pro Arg Thr His Pro Thr Trp Leu Leu His Ile Phe Ile 200 205 235 Pro Ser Cys Ile Ile Ala Phe Ile Phe Ile Ala Thr Val Ile Ala Leu 236 210 215 238 Arg Lys Gln Leu Cys Gln Lys Leu Tyr Ser Ser Lys Asp Thr Thr Lys 235 230 241 Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala Ile 245 245 <210> SEO ID NO: 4 246 <211> LENGTH: 224 247 <212> TYPE: PRT 248 <213> ORGANISM: Homo sapiens 250 <400> SEOUENCE: 4 251 Met Gly His Thr Arg Arg Gln Gly Thr Ser Pro Ser Lys Cys Pro Tyr 254 Leu Asn Phe Phe Gln Leu Leu Val Leu Ala Gly Leu Ser His Phe Cys 20 257 Ser Gly Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu 35 260 Ser Cys Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile 50 55 263 Tyr Trp Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp 266 Met Asn Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr 269 Asn Asn Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly 100 105 272 Thr Tyr Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg 120 273 115 275 Glu His Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr 135 276 130 278 Pro Ser Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile 150 155 281 Ile Cys Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu 165 170



## RAW SEQUENCE LISTING PATENT APPLICATION: US/09/955,866

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Input Set : A:\00759Aseq.txt
Output Set: N:\CRF3\10092001\1955866.raw

284 Glu Asn Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp 180 287 Pro Glu Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met 195 200 290 Thr Thr Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg 291 210 215 297 <210> SEQ ID NO: 5 298 <211> LENGTH: 323 299 <212> TYPE: PRT 300 <213> ORGANISM: Homo sapiens 302 <400> SEQUENCE: 5 303 Met Gly Leu Ser Asn Ile Leu Phe Val Met Ala Phe Leu Leu Ser Gly 304 1 10 306 Ala Ala Pro Leu Lys Ile Gln Ala Tyr Phe Asn Glu Thr Ala Asp Leu 20 25 309 Pro Cys Gln Phe Ala Asn Ser Gln Asn Gln Ser Leu Ser Glu Leu Val 35 40 312 Val Phe Trp Gln Asp Gln Glu Asn Leu Val Leu Asn Glu Val Tyr Leu 50 55 315 Gly Lys Glu Lys Phe Asp Ser Val His Ser Lys Tyr Met Gly Arg Thr 70 318 Ser Phe Asp Ser Asp Ser Trp Thr Leu Arg Leu His Asn Leu Gln Ile 85 321 Lys Asp Lys Gly Leu Tyr Gln Cys Ile Ile His His Lys Lys Pro Thr 100 105 324 Gly Met Ile Arg Ile His Gln Met Asn Ser Glu Leu Ser Val Leu Ala 115 120 327 Asn Phe Ser Gln Pro Glu Ile Val Pro Ile Ser Asn Ile Thr Glu Asn 130 135 140 330 Val Tyr Ile Asn Leu Thr Cys Ser Ser Ile His Gly Tyr Pro Glu Pro 331 145 150 155 333 Lys Lys Met Ser Val Leu Leu Arg Thr Lys Asn Ser Thr Ile Glu Tyr 334 170 165 336 Asp Gly Ile Met Gln Lys Ser Gln Asp Asn Val Thr Glu Leu Tyr Asp 337 180 185 339 Val Ser Ile Ser Leu Ser Val Ser Phe Pro Asp Val Thr Ser Asn Met 340 195 200 342 Thr Ile Phe Cys Ile Leu Glu Thr Asp Lys Thr Arg Leu Leu Ser Ser 343 210 215 345 Pro Phe Ser Ile Glu Leu Glu Asp Pro Gln Pro Pro Pro Asp His Ile 346 225 235 348 Pro Trp Ile Thr Ala Val Leu Pro Thr Val Ile Ile Cys Val Met Val 349 245 250 351 Phe Cys Leu Ile Leu Trp Lys Trp Lys Lys Lys Arg Pro Arg Asn 352 265 260 354 Ser Tyr Lys Cys Gly Thr Asn Thr Met Glu Arg Glu Glu Ser Glu Gln 355 275 280 357 Thr Lys Lys Arg Glu Lys Ile His Ile Pro Glu Arg Ser Asp Glu Ala 358 290 295 300

> Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220 to <223 fields of each sequence using n or Xaa.



DATE: 10/09/2001 PATENT APPLICATION: US/09/955,866 TIME: 09:30:20

Input Set : A:\00759Aseq.txt

Output Set: N:\CRF3\10092001\1955866.raw

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:1086 M:341 W: (46) "n" or "Xaa" used, for SEO ID#:14
L:1088 M:341 W: (46) "n" or "Xaa" used, for SEO ID#:14
L:1090 M:341 W: (46) "n" or "Xaa" used, for SEO ID#:14
L:1146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:1148 M:341 W: (46) "n" or "Xaa" used, for SEO ID#:14
L:1150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
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DATE: 10/09/2001 PATENT APPLICATION: US/09/955,866 TIME: 09:30:20

Input Set : A:\00759Aseq.txt Output Set: N:\CRF3\10092001\1955866.raw

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L:1494										
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